

Claims Text - CLTX (5):

5. An apparatus capture apparatus operable in a first image capture mode and a second image capture mode, the apparatus comprising: an image capture unit that captures a moving image as image data; a compression unit that compresses the image data of the moving image; a controller that controls a resolution and a compression ratio of the image data of the moving image in accordance with the first image capture mode or the second image capture mode, wherein, when the apparatus is operable in the first image capture mode, the controller sets a lower resolution and a higher compression ratio than the second image capture mode, and wherein, when the apparatus is operable in the second image capture mode, the controller sets a higher resolution and a lower compression ratio than the first image capture mode.

Claims Text - CLTX (8):

8. An apparatus according to claim 5, further comprising a display unit that displays at least one of a resolution and a compression ratio of the image data of moving image controlled by the controller.

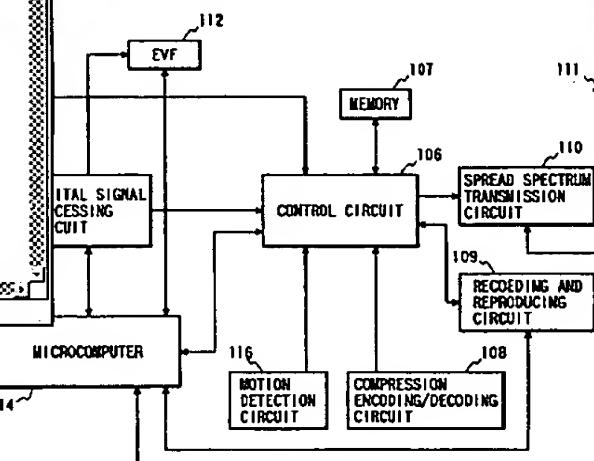
Claims Text - CLTX (13):

13. An image capture method for an image capture apparatus operable in a

Details Text Image HTML KWC

U	I	Document ID	Issue Date	
32		US 20020099770 A1	20020725	Hybrid co method
33		US 6654498 B2	20031125	Image ca modes ha ratio
34		US 20020105506 A1	20020808	Image dis

FIG. 1



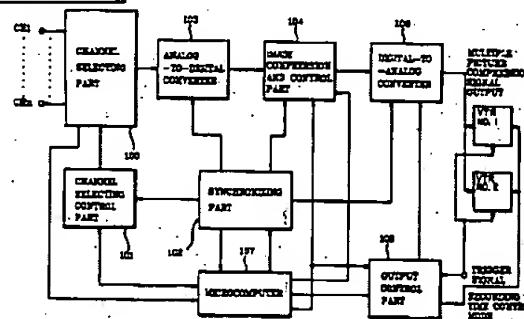
TITLE: Method of and control circuit for compression recording and reproducing of multiple images

- KWIC —

Detailed Description Text - DETX (7):

The optimum compression ratio (n:1) to be used by the control part 104 is determined in accordance with such factors as the number of active video cameras, the number of video tape recorders, the type of image taken by the video cameras (e.g., still picture, moving picture), and other factors that are well known in the art. For example, in the case where the image requires high resolution because of its detailed nature, the compression ratio is low. On the other hand, where the image is a still picture or a simple moving picture, the ratio is high. The ratio (n:1) represents the number of image fields that are to be recorded as one image field of data. The higher the compression ratio, the lower the resolution of the image.

	U	I	Document ID	Issue Date	
59	<input type="checkbox"/>	<input type="checkbox"/>	US 20030118110 A1	20030626	Method fo
60	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5615017 A	19970325	Method o reproduci
61			US 6229453 B1	20010508	Method to using digi



Patent	(13)	Patent Number:	5,615,017
		Date of Patent:	Mar. 25, 1997
CONTROL CIRCUIT FOR CORDING AND MULTIPLE IMAGES			
by, Seoula, Rep. of Korea		FOREIGN PATENT DOCUMENTS	
Electronics Co., Ltd.		3101423 1/1982 Germany	36073
a. Rep. of Korea		3200000 1/1993 Italy	4153
		3204329 1/1993 Yugoslavia	38233
92			
Priority Data			
of Korea 92-0401			
EDEN 5/7/83			
386/189, 343/159, 388/117			
384/213, 384/214			
6,360/31, 331, 5, 27, 14/1			
V133, 139; EDEN 5/16, 5/7/83			
as Filed			
DOCUMENTS			
9005			
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Detailed Description Text - DETX (58):

If the channel is identified as being in state 4 which corresponds to being of very good quality in the process of FIG. 5, as indicated at 514, the process continues as shown in the flow diagram of FIG. 9. At step 902, a decision is made as to whether to vary the transmit power. If the power can be varied, the process branches to connector 903 and to the process shown in the flow diagram of FIG. 10, which is described below. If the power can not be varied, a decision is then made at step 904 as to whether the baud rate may be increased. If the baud rate can not be increased, then this portion of the process is done as indicated at step 918. If the baud rate can be increased, then a further decision is made as to whether the delivery rate can be increased at step 906. If the delivery rate can not be increased, then a decision is made as to whether the compression ratio can be decreased as indicated at step 907. If the compression ratio can not be decreased, the number of bits per second is increased by 3 dB as indicated at step 909 and the process is complete as indicated at step 918. If the compression ratio can be decreased, then it is decreased and a higher resolution image is transmitted as indicated at step 910 and the process is complete at step 918.

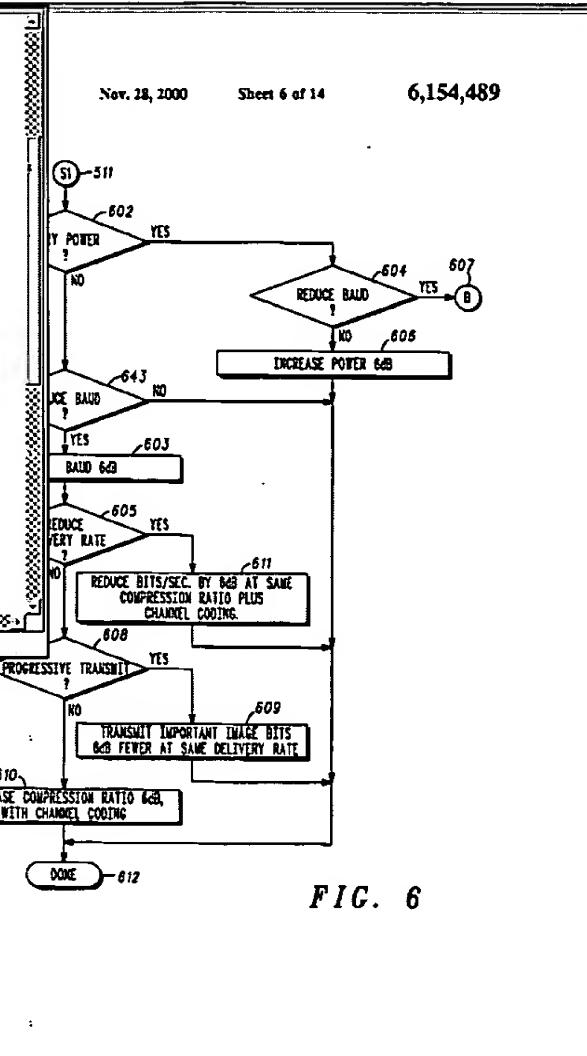


FIG. 6

	U	1	Document ID	Issue Date	Delivery Method
1			US 6421467 B1	20020716	Adaptive
2			US 6154489 A	20001128	Adaptive
3			US 20020009000 A1	20020124	Adding info cause size

DOCUMENT-IDENTIFIER: US 20020135683 A1

TITLE: Digital still camera system and method

KWIC

Detail Description Paragraph - DETX (23):

[0055] (4) Burst capture mode has data flow as illustrated in FIG. 5, and FIG. 6 shows offline data processing. ARM 130 sets CCD 150 into fine resolution mode. ARM sets up the burst compression parameters, burst length, number of frames/second, compression ratio (lossy, lossless), etc. ARM enables burst compression engine 108 to write the raw CCD data to SDRAM 160. ARM signals DSP to process each of the stored raw CCD images in the burst. Burst mode decompression engine 108 decompresses each of the burst captured images. DSP processes each of the images as in normal capture and writes the JPEG bitstream to SDRAM 160.

US 20020135683 A1

tes
Publication Publication (a) Pub. No.: US 2002/0135683 A1
(b) Pub. Date: Sep. 26, 2002

CAMERA SYSTEM AND

Related U.S. Application Data

(60) Provisional application No. 60/172,780, filed on Dec. 20, 1999. Provisional application No. 60/174,271, filed on Jan. 14, 2000. Provisional application No. 60/177,432, filed on Jan. 21, 2000. Provisional application No. 60/214,851, filed on Jun. 19, 2000. Provisional application No. 60/215,000, filed on Jun. 23, 2000.

Prior Art References

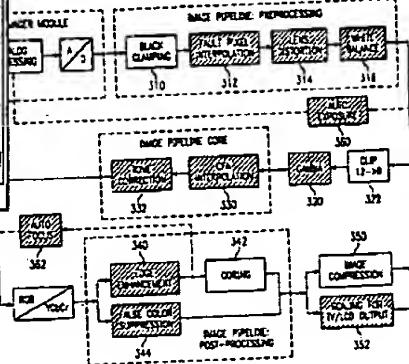
(c1) Int. Cl. H04N 5/215; H04N 5/219
(c2) U.S. Cl. 348/222; 348/302; 348/223;
348/345

741,256

20, 2000

C1) ABSTRACT

A tone-scaling in a digital image with pixel intensities replaced by a linear combination of pixel intensities and cumulative intensity distribution values.



Details Text Image HTML KMC

	U	I	Document ID	Issue Date	
14	<input type="checkbox"/>	<input type="checkbox"/>	US 20030222998 A1	20031204	Digital sti
15	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020135683 A1	20020926	Digital sti
16			US 20020041761 A1	20020411	Digital sti

TITLE: System for managing tiled images using multiple resolutions

KWIC

Detailed Description Text - DETX (271):

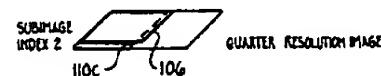
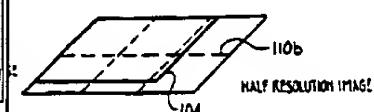
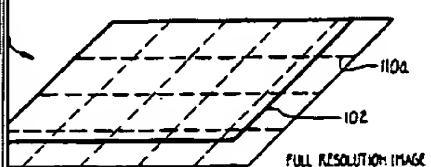
FIG. 34 illustrates a process for creating compressed low resolution tiles from compressed higher resolution tiles. The tile manager 192 starts at start state 1250 and proceeds to state 1252, wherein the system enters a loop which is followed by the system for each of the four high resolution tiles required to produce a single low resolution tile. More specifically, at state 1252 the tile manager 192 locks the compressed version of the high resolution tile. The system then proceeds to state 1256, wherein the tile manager 192 determines whether an error occurred at state 1254. In the event that an error occurred, the tile manager proceeds to end state 1258 and terminates. If no error occurred, the tile manager returns to state 1252 and continues the loop described above for each of the four high resolution tiles.

Mar. 16, 1999 Sheet 1 of 39

Re. 36,145

Image Stack

Fig. 1



	U	1	Document ID	Issue Date	
4	<input type="checkbox"/>	<input type="checkbox"/>	US 20020097430 A1	20020725	System a compress
5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US RE36145 E	19990316	System fo
6	<input type="checkbox"/>	<input type="checkbox"/>	US 5263136 A	19931116	System fo

DERWENT-WEEK: 199951

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TITLE: Electronic camera with continuous frame function - has image processor which automatically changes compression rate to high resolution side, when low resolution mode is switched, otherwise, changes set-up of compression rate to low resolution side

PATENT-ASSIGNEE: NIKON CORP[NIKR]**PRIORITY-DATA:** 1998JP-0061013 (March 12, 1998)**PATENT-FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 11261879 A	September 24, 1999	N/A	013	H04N 005/232

APPLICATION-DATA:

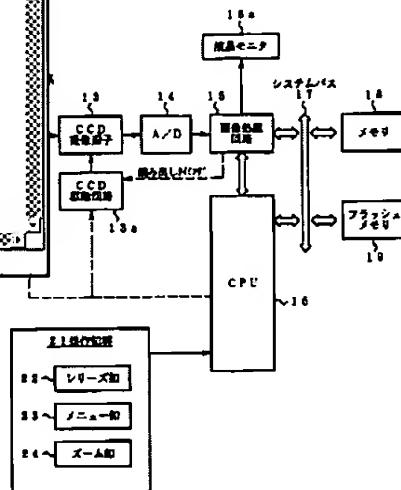
PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 11261879A	N/A	1998JP-0061013	March 12, 1998

[Details] [Text] [Image] [HTML] [FULL]

U	1	Document ID	Issue Date	Classification
1		US 20020126211 A1	20020912	Digital ca
2		JP 11261879 A	19990924	Electronic processor resolution changes
3		US 20040037472 A1	20040226	System and method for compressing

メラでは、遅写速 13 a CCD駆動回路
 操作者の手を基 14 A/D変換回路
 自動設定すること 10 15 電像処理回路
 た電子カメラは、 15 a 液晶モニタ
 可能となる。した 16 CPU
 て露光処理とを 17 システムバス
 用することによ 18 メモリ
 ムラグを短縮し、 19 フラッシュメモリカード
 可能となる。 21 操作部群
 ブロック図である。 22 レリーズ鍵
 ブラフ図である。 23 メニュー鍵
 ブラフ図である。 24 ズーム鍵

[図1]



EAS [247525.wsp:1] File View Edit Tools Window Help

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✓ (2) ("5018017").PN.
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EAST [247525.wsp:1] File View Edit Tools Window Help

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